```
SET ABB=ON   PLU=ON
      FILE 'REGISTRY' ENTERED AT 14:54:27 ON 04 JAN 2005
L1          2 S AL.O.SI.TA/MF OR AL O SI TA/ELF
L2        779 S A5/PG(P)A4/PG(P)O/ELS(P)3/ELC.SUB AND 1/NC
L3        561 S A3/PG(P)A4/PG(P)O/ELS(P)3/ELC.SUB AND 1/NC

      FILE 'HCAPLUS' ENTERED AT 14:55:17 ON 04 JAN 2005
L4       1565 S ((MULTI? OR INTERMEDIATE OR INTER)(W)LAYER?
                 OR MULTILAYER OR STACK?)(A)(GATE)
L5       5589 S INTERFACE STATE D. OR (INTERFAC?(3A)STATE)(2A)(D OR DENS? OR RHO) OR
                 NIT OR N(W)(IT OR I(W)T OR SUB(W)(IT OR I(W)T))
L6          0 S L4 AND L5 AND (L1 OR L2 OR L3)
L7         10 S L4 AND (L1 OR L2 OR L3)
L8         18 S L5 AND (L1 OR L2 OR L3)
L9          0 S L1 AND L4
L10         0 S L1 AND L5

      FILE 'REGISTRY' ENTERED AT 14:57:25 ON 04 JAN 2005
L11         0 S (AL OR SC OR Y OR LA)/MF AND NC=1 AND O/ELS
L12     86835 S (AL OR SC OR Y OR LA)/ELF AND NC=1 AND O/ELS

      FILE 'HCAPLUS' ENTERED AT 14:59:02 ON 04 JAN 2005
L13        34 S L4 AND L5
L14         0 S L13 AND L12
L15         8 S L4 AND L12
L16         0 S L15 NOT P/DT NOT PY>2002
L17         6 S L15 AND P/DT

      FILE 'WPIX' ENTERED AT 15:44:29 ON 04 JAN 2005
L18    127734 S (C550(P)C730(P)M411)/M0,M2,M3,M4
L19     36904 S L18(P)(A313 OR A400 OR A421 OR A500 OR
                 A539 OR A600 OR A657)/M0,M2,M3,M4
L20      7288 S L19(P)(C101(P)C108(P)C801(P)C802(P)C804(P)C
                 805(P)C807)/M2,M3,M4
L21      7344 S (L19(P)M900/M0) OR L20
L22         0 S L4 AND L21
L23         2 S L5 AND L21
L24         2 DUP REM L23 (0 DUPLICATES REMOVED)

      FILE 'HCAPLUS, WPIX' ENTERED AT 15:49:15 ON 04 JAN 2005
L25         8 DUP REM L17 L24 (0 DUPLICATES REMOVED)
                 ANSWERS '7-8' FROM FILE WPIX (none relevant)
      FILE 'REGISTRY' ENTERED AT 16:11:17 ON 04 JAN 2005
L26     17843 S B5/PG(P)A4/PG(P)O/ELS AND 1/NC
L27     10385 S B3/PG(P)A4/PG(P)O/ELS AND 1/NC

      FILE 'HCAPLUS' ENTERED AT 16:11:24 ON 04 JAN 2005
L28         3 S L4 AND (L26 OR L27)
L29      1592 S ((MULTI? OR INTERMEDIATE OR INTER OR BI OR TRI)(W)LAYER? OR BILAYER
                 OR TRILAYER OR MULTILAYER OR STACK?)(A)(GATE)
L30         4 S (L26 OR L27) AND L29
L31         1 S L30 NOT L28

      FILE 'REGISTRY' ENTERED AT 16:17:27 ON 04 JAN 2005
L32       126 S B3/PG(P)(SI OR GE)/ELS(P)O/ELS(P)3/ELC.SUB AND 1/NC
L33        67 S B5/PG(P)(SI OR GE)/ELS(P)O/ELS(P)3/ELC.SUB AND 1/NC
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STIC-EIC 2800   Jef4-A58   Scott Hertzog   571-272-2663

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        FILE 'HCAPLUS' ENTERED AT 16:18:10 ON 04 JAN 2005
L34         1074 S (L32 OR L33)
L35            0 S L4 AND L34
L36            0 S L5 AND L34
L37            7 S L34(P)GATE
L38            7 S L37 NOT L30
L39            4 S L30 AND P/DT
L40            3 S L38 AND P/DT
L41            4 S L38 NOT P/DT NOT PY>2002
```

139288

SEARCH REQUEST FORM Scientific and Technical Information Center · EIC2800
Rev. 1/14/2004   This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2811.

Date 12/01/04 Serial # 10/614,727 Priority Application Date _____

Your Name M. Lewis Examiner # _____

AU 9522 Phone 272-1835 Room 5A30

In what format would you like your results? Paper is the default. (PAPER) DISK EMAIL

If submitting more than one search, please prioritize in order of need. Need before 1/6/2005

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

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Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. _____

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Secondary Refs ___ Foreign Patents ____
Teaching Refs ___

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search?   Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-14

Problem: See pages 1-3
Solution: "   "   3-5